

## **Future STEM Leaders Professional Development Plan**

### **Living Classrooms at Masonville Cove – Higher Achievement at Lakeland**

#### **A NOAA – 21<sup>st</sup> Century Partnership funded by the**

#### **National Marine Sanctuaries Foundation**



Overview: To successfully implement the Future STEM Leaders program, ongoing planning between Living Classrooms staff and the 21st CCLC partners will occur. Prior to the submission for the Request for Proposals, meetings between Lakeland administration, 21<sup>st</sup> CCLC program coordinators, and MCEEC leadership took place to see if Future STEM Leaders would be a positive addition to the Higher Achievement Program. Meetings highlighted program expectations, content, and professional development. Living Classrooms is dedicated to providing professional development workshops and helping Higher Achievement complete associated assignments that strengthen their capacity to facilitate future Meaningful Watershed Educational Experiences (MWEEs) and familiarize them with NOAA resources as required by the funder, NMSF.

Workshop #1: The first professional development workshop will tie most directly to student experiences, as participants will focus primarily on Future STEM Leaders program content, the underlying environmental science concepts, and their connection to reading and math. This first workshop will cover teacher roles and expectations, scheduling, and a brief overview of Future STEM Leaders content. This will help participants understand the environmental concepts presented during the program, and should help them better prepare their students for the program experience. In addition, participants will be exposed to several NOAA resources.

Workshop #2: A second workshop will occur toward the end of the program. Content will be devoted to program action and reflection phase activities, and how the overall content of the program can tie to service learning, classroom math and literacy outcomes, and other Higher Achievement projects. Living Classrooms will highlight the key components of inquiry-based instruction, and Higher Achievement staff will begin to take the reigns as they prepare to coach students through the development of MWEE projects [to be implemented in the summer or fall] that expand upon their learning.

Independent Assignments: As preparation for, support of, and/or reflection upon the workshop content, PD participants may be tasked with independent assignments. These include but are not limited to watching and reflecting upon pre-recorded webinars/video clips, and preparing Service Learning Project plans for future use.

**Total time dedicated to professional development is 4 to 5 hours per participant.**